

BHP - LAPLATA DWW #1 (WATER WELL) AFE# 86-01-104 1605' FSL & 1305' FEL NE SE SECTION 23, T32N-R13W SAN JUAN COUNTY, NEW MEXICO (PTD 7500') (BHP WI 100% UTAH INTERNATIONAL TO REIMBURSE 100% OF ALL COSTS) (FR 1-17-86) SPUD DATE 1-16-86, G.L. 6002' K.B. 6014' DL# 29-0494 ARAPAHOE RIG #4 DHC:
\$380,900. CC: \$407,840

2-11-86 Depth 6,189' (79') Work stuck DP. Drld from 6,110' to 6,189' w/survey. Lost approx 60 bbl mud @ 6160'-6175'. Mixed LCM pill. Regained full returns @ 6175'. At 6189' pick up to make connection & stuck DP w/bit @ 6155'. Work stuck DP. Ran "Brandex" free point. Pipe stuck @ 5634' w/top of DC @ 5512'. Spotted 91 bbls crude oil with 100 gal pipe lax around DC's. Soak & work stuck DP. Bit #12 WOB 34, RPM 50, Psi 1200. Survey: 20° @ 6088'. MW 9.1, Vis 40, WL 3.8, PH 9.0. DFS 25. DC \$6676. TAC \$233,720.

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2-12-86 Depth 6189' (0') Work stuck DP. Try to soak loose w/oil & pipe lax. Circ oil out. Condition mud & hole. Spotted 100 bbl, #2 diesel w/2 gal per bbl of pipe lax around drill collars. Pumped 85 bbl into annulus & move fluid @ 1/2 bbl every 1/2 hr. Work stuck DP. MW 8.8, Vis 48, WL 3.6. DFS 26. DC \$14,148. TAC \$247,868.

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2-13-86 Depth 6189' (0') TIH w/jars & bumper sub. Work stuck DP. Try to soak loose w/diesel and pipe lax for 12 hr. Circ oil out & mix into mud. Ran NL McCullough free point. Showed pipe free to 2nd stabilizer. Ran string shot & backed off @ 6409' leaving 2 drill collars above BHA. TOOH. Pick up jars & bumper sub, accelerator, & TIH w/same. MW 8.9, Vis 54, WL 3.2, PH 9.0. DFS 27. DC \$12,421. TAC \$260,289.

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2-14-86 Depth 6189' (0') Circ & work stuck pipe. Finished TIH w/jars. B.S. accelerator. Circ on top of fish before screwing into same. Repaired D.W. motor. Unable to circ thru bit. Jarred up & down on fish. Moved uphole 6" but no movement down. RU McCullough. TIH w/bailer & C.O. DC's to bit @ 6160'. W.L. measurement. Go in hole w/"rattle" charge and blew jets out of bit. Circulated thru bit and conditioned mud for 7 hrs. Prepare to TOOH for new jars. MW 8.7, Vis 48, WL 3.6, PH 8.5. DFS 29. DC \$11,255. TAC \$271,544